Programs available for the BLAST search

The NCBI BLAST family of programs includes:

blastp

> compares an amino acid query sequence against a protein sequence database

blastn

> compares a nucleotide query sequence against a nucleotide sequence database

blastx

> compares a nucleotide query sequence translated in all reading frames against a protein sequence database

tblastn

> compares a protein query sequence against a nucleotide sequence database dynamically translated in all reading frames

tblastx

> compares the six-frame translations of a nucleotide query sequence against the six-frame translations of a nucleotide sequence database. Please note that tblastx program cannot be used with the nr database on the BLAST Web page.

4/23/2004

NCBI   BLAST 2 sequences   BLAST Entrez ?

BLAST 2 SEQUENCES RESULTS VERSION BLASTX 2.2.3 [Apr-24-2002]

Matrix BLOSUM62 ▾ gap open: 11   gap extension: 1
x_dropoff: 50   expect: 10.000 wordsize: 3   Filter ⌐   Align

Sequence 1 lcl|DEX0150_1   Length 1710
Sequence 2 lcl|US5733748 Fig1 Length 167
No significant similarity was found

NCBI   BLAST 2 sequences   BLAST Entrez ?

BLAST 2 SEQUENCES RESULTS VERSION BLASTX 2.2.3 [Apr-24-2002]

Matrix BLOSUM62 ▾ gap open: 11   gap extension: 1
x_dropoff: 50   expect: 10.000 wordsize: 3   Filter ☐   Align

Sequence 1 lcl|DEX0150_1   **Length** 1710
Sequence 2 lcl|US5733748 Fig2 **Length** 235
No significant similarity was found

4/23/2004

NCBI   BLAST 2 sequences   BLAST Entrez ?

BLAST 2 SEQUENCES RESULTS VERSION BLASTX 2.2.3 [Apr-24-2002]

Matrix BLOSUM62 ▾ gap open: 11   gap extension: 1
x_dropoff: 50   expect: 10.000 wordsize: 3   Filter ☐   Align

Sequence 1 lcl|DEX0150_1   Length 1710
Sequence 2 lcl|US5733748 Fig4 Length 135
No significant similarity was found

4/23/2004

NCBI   BLAST 2 sequences   BLAST Entrez ?

BLAST 2 SEQUENCES RESULTS VERSION BLASTX 2.2.3 [Apr-24-2002]

Matrix BLOSUM62 ⌄ gap open: 11   gap extension: 1
x_dropoff: 50   expect: 10.000 wordsize: 3   Filter ⌐   Align

Sequence 1 lcl|DEX0150_1   Length 1710
Sequence 2 lcl|US5733748 Fig5 Length 228
No significant similarity was found

4/23/2004

PAGE 18/23 * RCVD AT 4/23/2004 5:09:38 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/0 * DNIS:8729307 * CSID:856 810 1454 * DURATION (mm-ss):05-12

NCBI   BLAST 2 sequences   BLAST Entrez ?

BLAST 2 SEQUENCES RESULTS VERSION BLASTX 2.2.3 [Apr-24-2002]

Matrix BLOSUM62 ▾ gap open: 11 gap extension: 1
x_dropoff: 50 expect: 10.000 wordsize: 3 Filter ☐ Align

Sequence 1 lcl|DEX0150_1   Length 1710
Sequence 2 lcl|US5733748 Fig6 Length 163
No significant similarity was found

4/23/2004

NCBI   BLAST 2 sequences   BLAST Entrez ?

BLAST 2 SEQUENCES RESULTS VERSION BLASTX 2.2.3 [Apr-24-2002]

Matrix BLOSUM62 ▾ gap open: 11   gap extension: 1
x_dropoff: 50   expect: 10.000 wordsize: 3   Filter ☐   Align

Sequence 1 lcl|DEX0150_1   **Length** 1710
Sequence 2 lcl|US5733748 Fig8 **Length** 81
No significant similarity was found

4/23/2004

NCBI   BLAST 2 sequences   **BLAST** **Entrez** **?**

BLAST 2 SEQUENCES RESULTS VERSION BLASTX 2.2.3 [Apr-24-2002]

Matrix BLOSUM62 ▾ gap open: 11   gap extension: 1
x_dropoff: 50   expect: 10.0001 wordsize: 3   Filter ⌐   Align

Sequence 1 lcl|DEX0150_1   **Length** 1710
Sequence 2 lcl|US5733748 Fig9 **Length** 323
No significant similarity was found

4/23/2004

NCBI   BLAST 2 sequences   BLAST Entrez ?

BLAST 2 SEQUENCES RESULTS VERSION BLASTX 2.2.3 [Apr-24-2002]

Matrix BLOSUM62 ⌄ gap open: 11   gap extension: 1
x_dropoff: 50   expect: 10.000 wordsize: 3   Filter ☐   Align

Sequence 1 lcl|DEX0150_1   Length 1710
Sequence 2 lcl|US5733748 Fig10 Length 201
No significant similarity was found

4/23/2004

NCBI BLAST 2 sequences BLAST Entrez ?

BLAST 2 SEQUENCES RESULTS VERSION BLASTX 2.2.3 [Apr-24-2002]

Matrix BLOSUM62 ▾ gap open: 11 gap extension: 1
x_dropoff: 50 expect: 10.000 wordsize: 3 Filter ☐ Align

Sequence 1 lcl|DEX0150_1 **Length** 1710
Sequence 2 lcl|US5733748 Fig11 **Length** 156
No significant similarity was found

4/23/2004

PAGE 23/23 * RCVD AT 4/23/2004 5:09:38 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/0 * DNIS:8729307 * CSID:856 810 1454 * DURATION (mm-ss):05-12